

Braskem PE HD 3000 N

High Density Polyethylene

Braskem

Message:

The HD3000N is a High Density Polyethylene, narrow molecular weight homopolymer, produced by solution process for Cast film extrusion. It offers high processability, stiffness and good impact resistance. It contains fenol free antioxidant additive.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Narrow Molecular Weight Distribution		
Uses	Cast Film		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Tensile Strength			
MD : Break, 25 µm	25.0	MPa	
TD : Break, 25 µm	20.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 25 µm	770	%	
TD : Break, 25 µm	380	%	ASTM D790
Flexural Modulus			
1% Secant, MD : 25 µm	710	MPa	
1% Secant, TD : 25 µm	790	MPa	ASTM D1922
Elmendorf Tear Strength			
MD : 25 µm	5.0	g	
TD : 25 µm	10	g	
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 25.0 µm)	52		ASTM D2457
Haze (25.0 µm)	47	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	250 to 290	°C	

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